VĨNH HƯNG®

Vietnam Value

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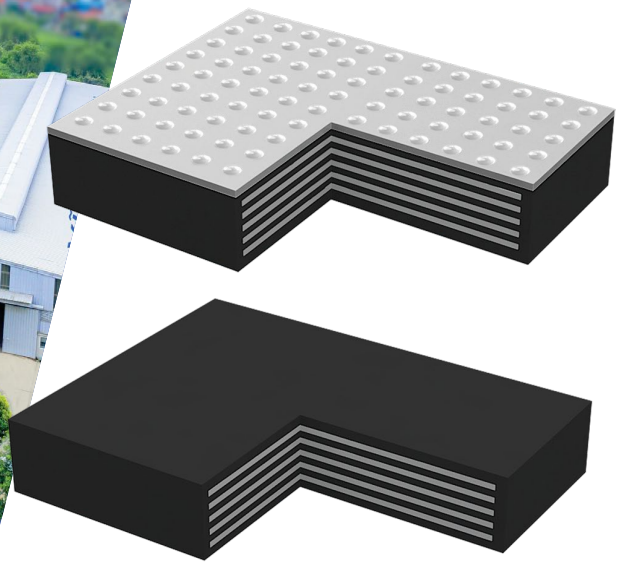
VINH HUNG TRADING, CONSULTING
AND CONSTRUCTION JOIN STOCK COMPANY

VSR ELASTOMERIC BEARING



CERTIFIED
ISO 9001

BUREAU VERITAS

UKAS MANAGEMENT SYSTEMS
0008

VSR ELASTOMERIC BEARING

CERTIFIED ISO 9001

1. PRODUCT OVERVIEW

VSR elastomeric bearing made by Vinh Hung Investment and Production Company Limited (Vinh Hung IP) is in compliance with **AAASHTO LRFD; AASHTO M251, TCVN 10308:2014; TCVN 11823:2017; BS 5400, EN 1337; IRC:83 - Part 2, KS F4420...**

VSR elastomeric bearing has been used in road bridge constructions, with a maximum load of 5000kN.

DIRECTORATE FOR STANDARDS, METROLOGY AND QUALITY (STAMEQ)
VIETNAM CERTIFICATION CENTRE (QUACERT)

QUACERT
ENSURE YOUR SUCCESS

CERTIFICATE

This is to certify that the Products as
Steel-reinforced elastomeric bridge bearing, proof load up to 5000 kN
with brand name VSR
made by
VINH HUNG INVESTMENT AND PRODUCTION COMPANY LIMITED
Pho Noi Textile and Garment Industrial Park, Di Su Ward, My Hao Town, Hung Yen Province, Vietnam
have been found to conform with the standard
AASHTO M 251-06 (2016)

Certification System: SYSTEM 5 (Circular No. 28/2012/TT-BKHCN dated 12 Dec 2012)
Certificate Number: SP 3526.23.17
The validity of this Certificate: from 25 December 2023 to 24 December 2026
Original Certification: 02 November 2017

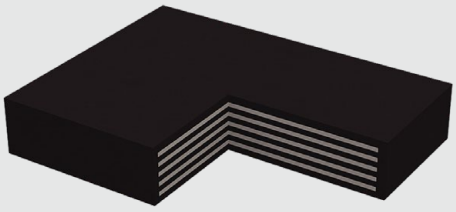
Director
TRUNG TÂM CHỨNG NHẬN PHÙ HỢP
Trần Quốc Dũng

2. PRODUCT CHARACTERISTICS

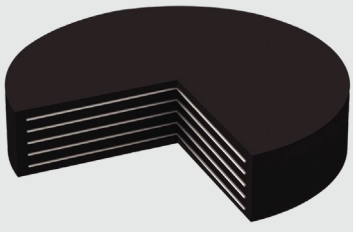
Elastomeric bearing is composed of rubber and steel plates which are chemically bonded through vulcanization. The thickness of the bearing is calculated to ensure the load, movement and rotation as requirement.

Elastomeric bearing is a simple geometric structure, offering convenience during the installation, operation and maintenance. In addition, this type of bearing is capable of withstanding high and sudden shocks, vibrations and pulses from moving load to the span and abutment structures.

Depending on the characteristics of the product, VSR elastomeric bearing is divided into 4 types:



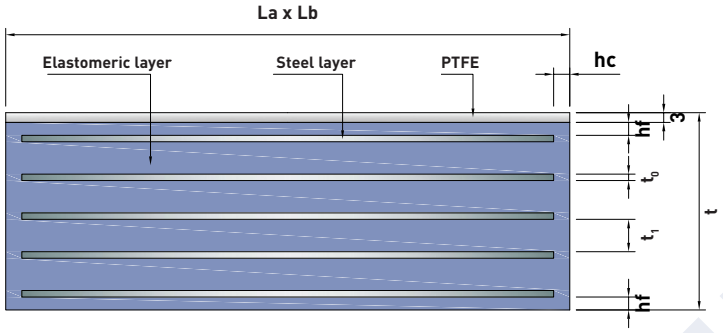
Fixed elastomeric bearing VSR - FR



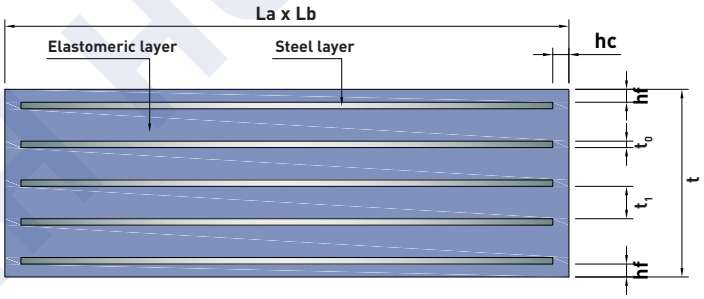
Fixed elastomeric bearing VSR - FC

Sliding elastomeric bearing VSR - MR

Sliding elastomeric bearing VSR - MC



Elastomeric bearing (With PTFE)



Elastomeric bearing

3. INSTALLATION

Check the actual bearing height to recalculate the appropriate mortar pad level. →

Locate the installation position of the bridge bearing, apply the buffer mortar layer and let it cure until required strength. →

Install the bearing on the position, check the coordinates, elevation and flatness of the bearing according to project requirements and current standards. →

Install girder structure to bearing position, check the flatness and connection between the top of bearing and bottom of girder. Complete the installation.

4. PARAMETERS OF FIXED ELASTOMERIC BEARING (VSR - FR)

No.	La (or d) (mm)	Lb (mm)	Fz,se (KN)	S	t (mm)	Δl (mm)	te (mm)	tan (rad)	t1 (mm)	to (mm)
1	100	150	150	5.48	21	5	15	0.005	5	2
					28	7.5	20	0.005		
2	100	200	200	6.11	21	5	15	0.005	5	2
					28	7.5	20	0.005		
					35	10	25	0.005		
3	150	150	225	7	21	5	15	0.005	5	2
					28	7.5	20	0.005		
					35	10	25	0.005		
					42	12.5	30	0.005		
4	150	200	300	8.06	21	5	15	0.005	5	2
					28	7.5	20	0.005		
					35	10	25	0.005		
					42	12.5	30	0.005		
5	150	250	375	8.84	21	5	15	0.005	5	2
					28	7.5	20	0.005		
					35	10	25	0.005		
					42	12.5	30	0.005		
6	150	300	450	9.44	21	5	15	0.005	5	2
					28	7.5	20	0.005		
					35	10	25	0.005		
					42	12.5	30	0.005		
					49	15	35	0.005		
7	200	200	400	9.5	28	7.5	20	0.005	5	2
					35	10	25	0.005		
					42	12.5	30	0.005		
					49	15	35	0.005		
					56	17.5	40	0.005		
8	200	250	500	10.6	28	7.5	20	0.005	5	2
					35	10	25	0.005		
					42	12.5	30	0.005		
					49	15	35	0.005		
					56	17.5	40	0.005		
9	200	300	600	7.17	30	8	21	0.005	8	3
					41	12	29	0.005		
					52	16	37	0.005		
					63	20	45	0.005		
					74	24	53	0.005		
10	200	350	700	7.62	30	8	21	0.005	8	3
					41	12	29	0.005		
					52	16	37	0.005		
					63	20	45	0.005		
					74	24	53	0.005		

Note: - The above dimensions are for reference only. Actual dimensions can be adjusted according to project requirements

No.	La (or d) (mm)	Lb (mm)	Fz,se (KN)	S	t (mm)	Δl (mm)	te (mm)	tan (rad)	t1 (mm)	to (mm)
11	200	400	800	7.98	30	8	21	0.005	8	3
					41	12	29	0.005		
					52	16	37	0.005		
					63	20	45	0.005		
					74	24	53	0.005		
12	250	250	625	7.5	41	12	29	0.005	8	3
					52	16	37	0.005		
					63	20	45	0.005		
					74	24	53	0.005		
13	250	300	750	8.21	30	8	21	0.005	8	3
					41	12	29	0.005		
					52	16	37	0.005		
					63	20	45	0.005		
					74	24	53	0.005		
14	250	350	875	8.79	30	8	21	0.005	8	3
					41	12	29	0.005		
					52	16	37	0.005		
					63	20	45	0.005		
					74	24	53	0.005		
15	250	400	1000	9.29	30	8	21	0.005	8	3
					41	12	29	0.005		
					52	16	37	0.005		
					63	20	45	0.005		
					74	24	53	0.005		
16	250	450	1125	9.71	30	8	21	0.005	8	3
					41	12	29	0.005		
					52	16	37	0.005		
					63	20	45	0.005		
					74	24	53	0.005		
					85	28	61	0.005		
17	250	500	1250	10.07	30	8	21	0.005	8	3
					41	12	29	0.005		
					52	16	37	0.005		
					63	20	45	0.005		
					74	24	53	0.005		
					85	28	61	0.005		
18	300	300	900	9.06	41	12	29	0.005	8	3
					52	16	37	0.005		
					63	20	45	0.005		
					74	24	53	0.005		
					85	28	61	0.005		
19	300	350	1050	9.78	41	12	29	0.005	8	3
					52	16	37	0.005		
					63	20	45	0.005		
					74	24	53	0.005		
					85	28	61	0.005		

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VSR ELASTOMERIC BEARING

No.	La (or d) (mm)	Lb (mm)	Fz,se (KN)	S	t (mm)	Δl (mm)	te (mm)	tan (rad)	t1 (mm)	to (mm)
20	300	400	1200	10.4	41	12	29	0.005	8	3
					52	16	37	0.005		
					63	20	45	0.005		
					74	24	53	0.005		
					85	28	61	0.005		
21	300	450	1350	10.92	41	12	29	0.005	8	3
					52	16	37	0.005		
					63	20	45	0.005		
					74	24	53	0.005		
					85	28	61	0.005		
22	300	500	1500	8.28	39	11	27	0.005	11	4
					54	16.5	38	0.005		
					69	22	49	0.005		
					84	27.5	60	0.005		
23	300	550	1650	8.58	39	11	27	0.005	11	4
					54	16.5	38	0.005		
					69	22	49	0.005		
					84	27.5	60	0.005		
24	300	600	1800	8.84	39	11	27	0.005	11	4
					54	16.5	38	0.005		
					69	22	49	0.005		
					84	27.5	60	0.005		
					99	33	71	0.005		
25	350	350	1225	10.63	52	16.5	37	0.005	8	3
					63	20	45	0.005		
					74	24	53	0.005		
					85	28	61	0.005		
					96	32	69	0.005		
26	350	400	1400	8.26	54	16.5	38	0.005	11	3
					69	22	49	0.005		
					84	27.5	60	0.005		
					99	33	71	0.005		
27	350	450	1575	8.72	54	16.5	38	0.005	11	3
					69	22	49	0.005		
					84	27.5	60	0.005		
					99	33	71	0.005		
28	350	500	1750	9.12	54	16.5	38	0.005	11	4
					69	22	49	0.005		
					84	27.5	60	0.005		
					99	33	71	0.005		
					114	38.5	82	0.005		

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No.	La (or d) (mm)	Lb (mm)	Fz,se (KN)	S	t (mm)	Δl (mm)	te (mm)	tan (rad)	t1 (mm)	to (mm)
29	350	550	1925	9.48	54	16.5	38	0.005	11	4
					69	22	49	0.005		
					84	27.5	60	0.005		
					99	33	71	0.005		
					114	38.5	82	0.005		
30	350	600	2100	9.8	54	16.5	38	0.005	11	4
					69	22	49	0.005		
					84	27.5	60	0.005		
					99	33	71	0.005		
					114	38.5	82	0.005		
31	400	400	1600	8.86	54	16.5	38	0.005	11	4
					69	22	49	0.005		
					84	27.5	60	0.005		
					99	33	71	0.005		
32	400	450	1800	9.4	69	22	49	0.005	11	4
					84	27.5	60	0.005		
					99	33	71	0.005		
					114	38.5	82	0.005		
33	400	500	2000	9.87	69	22	49	0.005	11	4
					84	27.5	60	0.005		
					99	33	71	0.005		
					114	38.5	82	0.005		
34	400	550	2200	10.29	69	22	49	0.005	11	4
					84	27.5	60	0.005		
					99	33	71	0.005		
35	400	600	2400	10.67	69	22	49	0.005	11	4
					84	27.5	60	0.005		
					99	33	71	0.005		
36	400	650	2600	11.02	69	22	49	0.005	11	4
					84	27.5	60	0.005		
					99	33	71	0.005		
37	450	450	2025	10	69	22	49	0.005	11	4
					84	27.5	60	0.005		
					99	33	71	0.005		
					114	38.5	82	0.005		

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VSR ELASTOMERIC BEARING

No.	La (or d) (mm)	Lb (mm)	Fz,se (KN)	S	t (mm)	Δl (mm)	te (mm)	tan (rad)	t1 (mm)	to (mm)
38	450	500	2250	10.54	84	27.5	60	0.005	11	4
					99	33	71	0.005		
					114	38.5	82	0.005		
39	450	550	2475	11.02	84	27.5	60	0.005	11	4
					99	33	71	0.005		
					114	38.5	82	0.005		
40	450	600	2700	8.4	70	22.5	50	0.005	15	5
					90	30	65	0.005		
					110	37.5	80	0.005		
41	450	650	2925	8.69	70	22.5	50	0.005	15	5
					90	30	65	0.005		
					110	37.5	80	0.005		
42	500	500	2500	8.17	70	22.5	50	0.005	15	5
					90	30	65	0.005		
					110	37.5	80	0.005		
					130	45	95	0.005		
43	500	550	2750	8.56	70	22.5	50	0.005	15	5
					90	30	65	0.005		
					110	37.5	80	0.005		
					130	45	95	0.005		
44	500	600	3000	8.92	70	22.5	50	0.005	15	5
					90	30	65	0.005		
					110	37.5	80	0.005		
					130	45	95	0.005		
45	500	650	3250	9.25	70	22.5	50	0.005	15	5
					90	30	65	0.005		
					110	37.5	80	0.005		
					130	45	95	0.005		
46	500	700	3500	9.55	70	22.5	50	0.005	15	5
					90	30	65	0.005		
					110	37.5	80	0.005		
					130	45	95	0.005		

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No.	La (or d) (mm)	Lb (mm)	Fz,se (KN)	S	t (mm)	Δl (mm)	te (mm)	tan (rad)	t1 (mm)	to (mm)
47	550	550	3025	9	90	30	65	0.005	15	5
					110	37.5	80	0.005		
					130	45	95	0.005		
					150	52.5	110	0.005		
48	550	600	3300	9.4	90	30	65	0.005	15	5
					110	37.5	80	0.005		
					130	45	95	0.005		
					150	52.5	110	0.005		
49	550	650	3575	9.76	90	30	65	0.005	15	5
					110	37.5	80	0.005		
					130	45	95	0.005		
					150	52.5	110	0.005		
50	600	600	3600	9.83	90	30	65	0.005	15	5
					110	37.5	80	0.005		
					130	45	95	0.005		
					150	52.5	110	0.005		
51	600	650	3900	10.23	90	30	65	0.005	15	5
					110	37.5	80	0.005		
					130	45	95	0.005		
					150	52.5	110	0.005		
52	600	700	4200	10.6	110	37.5	80	0.005	15	5
					130	45	95	0.005		
					150	52.5	110	0.005		
53	600	750	4500	10.94	110	37.5	80	0.005	15	5
					130	45	95	0.005		
					150	52.5	110	0.005		
54	650	650	4225	10.67	110	37.5	80	0.005	15	5
					130	45	95	0.005		
					150	52.5	110	0.005		
					170	60	125	0.005		
55	650	700	4550	9.22	102	36	77	0.005	18	5
					125	45	95	0.005		
					148	54	113	0.005		
					171	63	131	0.005		

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VSR ELASTOMERIC BEARING

No.	La (or d) (mm)	Lb (mm)	Fz,se (KN)	S	t (mm)	Δl (mm)	te (mm)	tan (rad)	t1 (mm)	to (mm)
56	650	750	4875	9.53	102	36	77	0.005	18	5
					125	45	95	0.005		
					148	54	113	0.005		
					171	63	131	0.005		
57	700	700	4900	9.58	102	36	77	0.005	18	5
					125	45	95	0.005		
					148	54	113	0.005		
					171	63	131	0.005		

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La: Dimensions of rectangular bearing in the longitudinal direction

Lb: Dimensions of rectangular bearing in the transverse direction

Fz,se: Vertical design force - Service limit state (KN)

S: Shape coefficient of bearing

t: Total thickness of bearing (mm)

te: Total thickness of rubber layers

Δl: The movability

tan: The rotation angle (rad)

t1: Thickness of a middle rubber layer (mm)

to: Thickness of steel layer (mm)

5. PARAMETERS OF SLIDING ELASTOMERIC BEARING (VSR - MR)

No.	La (or d) (mm)	Lb (mm)	Fz,se (KN)	S	t (mm)	Δl3 (mm)		Δl4 (mm)		te (mm)	tan (rad)	t1 (mm)	to (mm)	tf (mm)
						Longit-udinal	Transv-erse	Longit-udinal	Transv-erse					
1	100	150	150	5.48	23	±30	±20	±30	±3	15	0.005	5	2	3
					30					20	0.005			
2	100	200	200	6.11	23	±30	±20	±30	±3	15	0.005	5	2	3
					30					20	0.005			
3	150	150	225	7	23	±30	±20	±30	±3	15	0.005	5	2	3
					30					20	0.005			
					37					25	0.005			
					44					30	0.005			
4	150	200	300	8.06	23	±30	±20	±30	±3	15	0.005	5	2	3
					30					20	0.005			
					37					25	0.005			
					44					30	0.005			
5	150	250	375	8.84	30	±30	±20	±30	±3	20	0.005	5	2	3
					37					25	0.005			
					44					30	0.005			
6	150	300	450	9.44	30	±30	±20	±30	±3	20	0.005	5	2	3
					37					25	0.005			
					44					30	0.005			
7	200	200	400	9.5	37	±30	±20	±30	±3	25	0.005	5	2	3
					44					30	0.005			
					51					35	0.005			
					58					40	0.005			
8	200	250	500	10.6	37	±30	±20	±30	±3	25	0.005	5	2	3
					44					30	0.005			
					51					35	0.005			
					58					40	0.005			
9	200	300	600	7.17	43	±30	±20	±30	±3	29	0.005	8	3	3
					54					37	0.005			
10	200	350	700	7.62	32	±30	±20	±30	±3	21	0.005	8	3	3
					43					29	0.005			
					54					37	0.005			

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VSR ELASTOMERIC BEARING

No.	La (or d) (mm)	Lb (mm)	Fz,se (KN)	S	t (mm)	Δl3 (mm)		Δl4 (mm)		te (mm)	tan (rad)	t1 (mm)	to (mm)	tf (mm)
						Longit-udinal	Transv-erse	Longit-udinal	Transv-erse					
11	200	400	800	7.98	32	±30	±20	±30	±3	21	0.005	8	3	3
					43					29	0.005			
					54					37	0.005			
12	250	250	625	7.5	43	±50	±20	±50	±3	29	0.005	8	3	3
					54					37	0.005			
					65					45	0.005			
					76					53	0.005			
13	250	300	750	8.21	43	±50	±20	±50	±3	29	0.005	8	3	3
					54					37	0.005			
					65					45	0.005			
					76					53	0.005			
14	250	350	875	8.79	43	±50	±20	±50	±3	29	0.005	8	3	3
					54					37	0.005			
					65					45	0.005			
					76					53	0.005			
15	250	400	1000	9.29	43	±50	±20	±50	±3	29	0.005	8	3	3
					54					37	0.005			
					65					45	0.005			
					76					53	0.005			
16	250	450	1125	9.71	43	±50	±20	±50	±3	29	0.005	8	3	3
					54					37	0.005			
					65					45	0.005			
					76					53	0.005			
17	250	500	1250	10.07	43	±50	±20	±50	±3	29	0.005	8	3	3
					54					37	0.005			
					65					45	0.005			
					76					53	0.005			
18	300	300	900	9.06	54	±70	±30	±70	±3	37	0.005	8	3	3
					65					45	0.005			
					76					53	0.005			
					87					61	0.005			
19	300	350	1050	9.78	54	±70	±30	±70	±3	37	0.005	8	3	3
					65					45	0.005			
					76					53	0.005			
					87					61	0.005			

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No.	La (or d) (mm)	Lb (mm)	Fz,se (KN)	S	t (mm)	Δ l3 (mm)		Δ l4 (mm)		te (mm)	tan (rad)	t1 (mm)	to (mm)	tf (mm)
						Longit-udinal	Transv-erse	Longit-udinal	Transv-erse					
20	300	400	1200	10.4	54	±70	±30	±70	±3	37	0.005	8	3	3
					65					45	0.005			
					76					53	0.005			
					87					61	0.005			
21	300	450	1350	10.92	65	±70	±30	±70	±3	45	0.005	8	3	3
					76					53	0.005			
					87					61	0.005			
22	300	500	1500	8.28	56	±70	±30	±70	±3	38	0.005	11	4	3
					71					49	0.005			
					86					60	0.005			
23	300	550	1650	8.58	56	±70	±30	±70	±3	38	0.005	11	4	3
					71					49	0.005			
					86					60	0.005			
24	300	600	1800	8.84	57	±70	±30	±70	±3	38	0.005	11	4	3
					72					49	0.005			
					87					60	0.005			
25	350	350	1225	10.63	65	±90	±40	±90	±3	45	0.005	8	3	3
					76					53	0.005			
					87					61	0.005			
					98					69	0.005			
26	350	400	1400	8.26	56	±90	±40	±90	±3	38	0.005	11	4	3
					71					49	0.005			
					86					60	0.005			
					101					71	0.005			
27	350	450	1575	8.72	56	±90	±40	±90	±3	38	0.005	11	4	3
					71					49	0.005			
					86					60	0.005			
					101					71	0.005			
28	350	500	1750	9.12	56	±90	±40	±90	±3	38	0.005	11	4	3
					71					49	0.005			
					86					60	0.005			
					101					71	0.005			

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VSR ELASTOMERIC BEARING

No.	La (or d) (mm)	Lb (mm)	Fz,se (KN)	S	t (mm)	Δl3 (mm)		Δl4 (mm)		te (mm)	tan (rad)	t1 (mm)	to (mm)	tf (mm)
						Longit-udinal	Transv-erse	Longit-udinal	Transv-erse					
29	350	550	1925	9.48	57	±90	±40	±90	±3	38	0.005	11	4	3
					72					49	0.005			
					87					60	0.005			
					102					71	0.005			
30	350	600	2100	9.8	57	±90	±40	±90	±3	38	0.005	11	4	3
					72					49	0.005			
					87					60	0.005			
					102					71	0.005			
31	400	400	1600	8.86	71	±90	±40	±90	±3	49	0.005	11	4	3
					86					60	0.005			
					101					71	0.005			
					116					82	0.005			
32	400	450	1800	9.4	71	±90	±40	±90	±3	49	0.005	11	4	3
					86					60	0.005			
					101					71	0.005			
					116					82	0.005			
33	400	500	2000	9.87	71	±90	±40	±90	±3	49	0.005	11	4	3
					86					60	0.005			
					101					71	0.005			
					116					82	0.005			
34	400	550	2200	10.29	72	±90	±40	±90	±3	49	0.005	11	4	3
					87					60	0.005			
					102					71	0.005			
35	400	600	2400	10.67	72	±90	±40	±90	±3	49	0.005	11	4	3
					87					60	0.005			
					102					71	0.005			
36	400	650	2600	11.02	72	±90	±40	±90	±3	49	0.005	11	4	3
					87					60	0.005			
					102					71	0.005			
37	450	450	2025	10	71	±110	±40	±110	±3	49	0.005	11	4	3
					86					60	0.005			
					101					71	0.005			
					116					82	0.005			

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No.	La (or d) (mm)	Lb (mm)	Fz,se (KN)	S	t (mm)	Δl3 (mm)		Δl4 (mm)		te (mm)	tan (rad)	t1 (mm)	to (mm)	tf (mm)
						Longit-udinal	Transv-erse	Longit-udinal	Transv-erse					
38	450	500	2250	10.54	86	±110	±40	±110	±3	60	0.005	11	4	3
					101					71	0.005			
					116					82	0.005			
39	450	550	2475	11.02	87	±110	±40	±110	±3	60	0.005	11	4	3
					102					71	0.005			
					117					82	0.005			
40	450	600	2700	8.4	73	±110	±40	±110	±3	50	0.005	15	5	3
					93					65	0.005			
					113					80	0.005			
41	450	650	2925	8.69	73	±110	±40	±110	±3	50	0.005	15	5	3
					93					65	0.005			
					113					80	0.005			
42	500	500	2500	8.17	73	±130	±40	±130	±3	50	0.005	15	5	3
					93					65	0.005			
					113					80	0.005			
					133					95	0.005			
43	500	550	2750	8.56	73	±130	±40	±130	±3	50	0.005	15	5	3
					93					65	0.005			
					113					80	0.005			
					133					95	0.005			
44	500	600	3000	8.92	73	±130	±40	±130	±3	50	0.005	15	5	3
					93					65	0.005			
					113					80	0.005			
					133					95	0.005			
45	500	650	3250	9.25	73	±130	±40	±130	±3	50	0.005	15	5	3
					93					65	0.005			
					113					80	0.005			
					133					95	0.005			
46	500	700	3500	9.55	73	±130	±40	±130	±3	50	0.005	15	5	3
					93					65	0.005			
					113					80	0.005			
					133					95	0.005			

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VSR ELASTOMERIC BEARING

No.	La (or d) (mm)	Lb (mm)		S	t (mm)	Δl3 (mm)		Δl4 (mm)		te (mm)	tan (rad)	t1 (mm)	to (mm)	tf (mm)
						Longit-udinal	Transv-erse	Longit-udinal	Transv-erse					
47	550	550	3025	9	93	±130	±40	±130	±3	65	0.005	15	5	3
					113					80	0.005			
					133					95	0.005			
					153					110	0.005			
48	550	600	3300	9.4	93	±130	±40	±130	±3	65	0.005	15	5	3
					113					80	0.005			
					133					95	0.005			
					153					110	0.005			
49	550	650	3575	9.76	93	±130	±40	±130	±3	65	0.005	15	5	3
					113					80	0.005			
					133					95	0.005			
					153					110	0.005			
50	600	600	3600	9.83	93	±130	±40	±130	±3	65	0.005	15	5	3
					113					80	0.005			
					133					95	0.005			
					153					110	0.005			
51	600	650	3900	10.23	93	±130	±40	±130	±3	65	0.005	15	5	3
					113					80	0.005			
					133					95	0.005			
					153					110	0.005			
52	600	700	4200	10.6	113	±150	±40	±150	±3	80	0.005	15	5	3
					133					95	0.005			
					153					110	0.005			
53	600	750	4500	10.94	113	±150	±40	±150	±3	80	0.005	15	5	3
					133					95	0.005			
					153					110	0.005			
54	650	650	4225	10.67	113	±150	±40	±150	±3	80	0.005	15	5	3
					133					95	0.005			
					153					110	0.005			
					173					125	0.005			
55	650	700	4550	9.2	105	±150	±40	±150	±3	77	0.005	18	5	3
					128					95	0.005			
					151					113	0.005			
					174					131	0.005			

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No.	La (or d) (mm)	Lb (mm)	Fz,se (KN)	S	t (mm)	Δl3 (mm)		Δl4 (mm)		te (mm)	tan (rad)	t1 (mm)	to (mm)	tf (mm)
						Longit-udinal	Transv-erse	Longit-udinal	Transv-erse					
56	650	750	4875	9.53	105	±150	±40	±150	±3	77	0.005	18	5	3
					128					95	0.005			
					151					113	0.005			
					174					131	0.005			
57	700	700	4900	9.58	105	±150	±40	±150	±3	77	0.005	18	5	3
					128					95	0.005			
					151					113	0.005			
					174					131	0.005			

Note: **The above dimensions are for reference only. Actual dimensions can be adjusted according to project requirements.**

La: Dimensions of rectangular bearing in the longitudinal direction

Lb: Dimensions of rectangular bearing in the transverse direction

Fz,se: Vertical design force - Service limit state (KN)

S: Shape coefficient of bearing

t: Total thickness of elastomeric bearing (mm)

te: Total thickness of rubber layers

Δl3: The movability of the free sliding bearing

Δl4: The movability of the guided bearing

tan: The rotation angle (Rad)

t1: Thickness of a middle rubber layer (mm)

to: Thickness of steel layer (mm)

tf: Thickness of PTFE

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